



# Implementation of the California Energy Commission 2012-2014 Triennial Investment Plan for the Electric Program Investment Charge

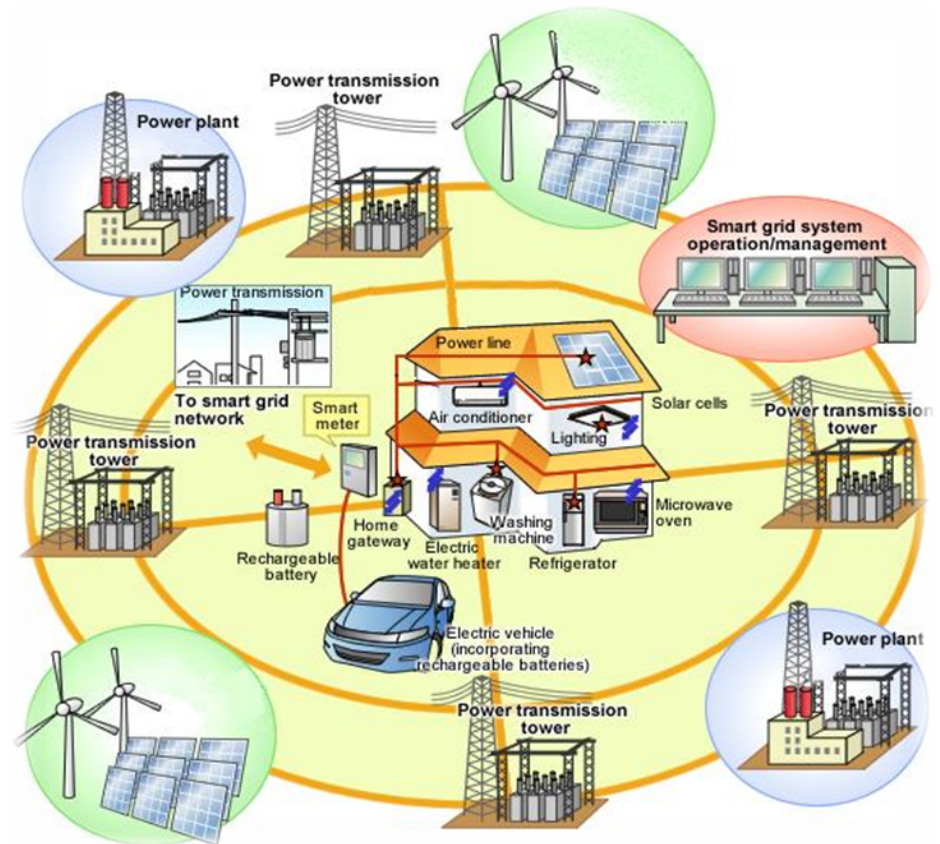
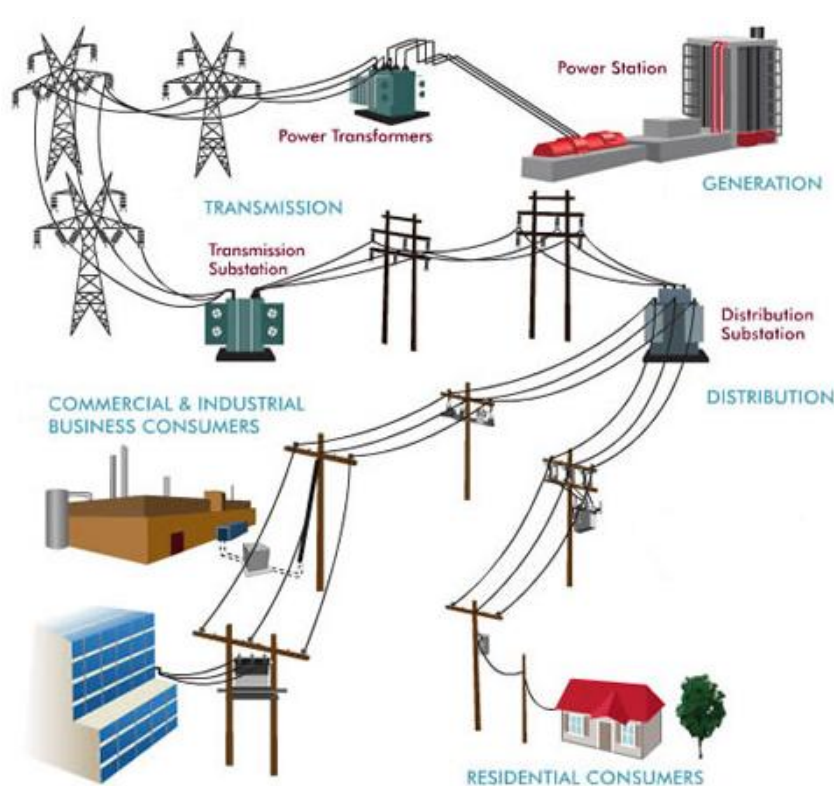
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# EPIC Fosters Technologies and Strategies that Advance the Electric System to Benefit IOU Ratepayers





## Investment Plan Development Schedule

Activity	First Triennial Investment Plan (covering 2012-2014)
✓ Northern CA scoping workshops	August 2-3, 2012
✓ Southern CA scoping workshops	August 9-10, 2012
✓ CEC posts draft investment plan	September 21, 2012
✓ CEC workshop on draft investment plan	September 27, 2012
✓ CEC posts proposed investment plan	October 23, 2012
✓ CEC considers adopting investment plan at business meeting	October 31, 2012
✓ Submit investment plan to CPUC	November 1, 2012
✓ CPUC proceeding	Dec. 2012 – Nov. 2013
✓ CPUC Decision on Investment Plans	November 14, 2013
➡ CEC begins releasing solicitations for first investment plan	Planned January, 2014



## ENERGY INNOVATION PIPELINE

### APPLIED RESEARCH AND DEVELOPMENT

Pre-commercial development  
Lab-scale demonstration  
Pilot-scale demonstration

### TECHNOLOGY DEMONSTRATION AND DEPLOYMENT

Pre-commercial demonstration  
Pre-commercial deployment

### MARKET FACILITATION

Regulatory assistance  
Workforce development  
Program tracking  
Market analysis

### CEC EPIC Mission

The Energy Commission through EPIC will fill critical funding gaps within the energy innovation pipeline to advance technologies, tools, and strategies that provide California's IOU ratepayers with clean, affordable, and reliable electricity and help enable the 21<sup>st</sup> century power grid.



## Applied Research and Development Three-Year CEC EPIC Budget Plan (2012 - 2014):

Funding Area	Amount (Millions)
Energy efficiency and demand response (S1, S2)	\$64.7
Clean generation (S3, S4, S5)	\$44.0
Smart grid enabling clean energy (S6, S7, S8, S9)	\$23.0
Innovation clusters (S10)	\$27.0
Cost share for federal awards (S11)	Up to 10%
<b>Applied Research and Development Program Area Total</b>	<b>\$158.7</b>



## Technology Demonstration and Deployment

### Three-Year CEC EPIC Budget Plan (2012 - 2014):

Funding Area	Amount (Millions)
Emerging energy efficiency and demand-side management (S12)	\$37.3
Emerging clean energy generation technologies and deployment strategies (S13), including \$27 million for bioenergy.	\$48.0
Energy smart community demonstrations (S14)	\$44.5
Federal cost share (S15)	Up to 10%
<b>Technology Demonstration and Deployment Program Area Total</b>	<b>\$129.8</b>



## Market Facilitation

Three-Year CEC EPIC Budget Plan (2012 - 2014):

Funding Area	Amount (Millions)
Regulatory Assistance and Streamlining (S16)	\$23.3
Clean Energy Workforce Development (S17)	\$4.5
Market Assessment, Program Evaluation, and Stakeholder Outreach (S18)	\$15.5
<b>Market Facilitation Program Area Total</b>	<b>\$43.3</b>



## Project Eligibility Criteria

	Applied Research and Development	Technology Demonstration and Deployment	Market Facilitation
<b>3-Year Program Area Funding</b>	Up to \$158.7 million	Up to \$129.8 million (\$27 million for bioenergy)	\$43.3 million
<b>Estimated Min./Max. Award per Recipient</b>	\$250,000 to \$3 million	\$1 million to \$5 million (\$100,000 to \$5 million for bioenergy projects)	\$25,000 to \$3 million
<b>Match Funding Requirement*</b>	None	20 percent of the requested EPIC funds	None
<b>Estimated Funding to Match Federal Program Investments</b>	Up to 10% to support federal cost share opportunities	Up to 10% to support federal cost share opportunities	None

\* Applicants providing match funds beyond the minimum requirements may receive higher scores during the proposal evaluation.





## Next Steps for the EPIC Program

- The Energy Commission will begin implementing the first Investment Plan.
  - Funding opportunity announcement is posted on the Energy Commission's website. Competitive solicitations for select initiatives will start being released in early 2014. **A link to the schedule of future planned funding opportunities is available at <http://www.energy.ca.gov/research/epic/>**
  - The Energy Commission will also notify interested parties of funding opportunity through a number of available listservs.
  - Solicitations will reflect the guidance, requirements and priorities of SB 96, incorporated into final CPUC decision.
  - Energy Commission staff will distribute Requests for Comments or conduct workshops to:
    - Seek stakeholder input to further refine certain initiatives in the plan.
    - Review solicitation with interested parties.
    - Provide an opportunity for interested applicants to ask questions.
    - Interested applicants will also be able to submit written questions following the workshop.
    - Staff responses to questions will be posted on the Energy Commission's website to ensure that all applicants have access to same information.



## Next Steps for the EPIC Program Cont.

- The Energy Commission will begin developing the 2<sup>nd</sup> Triennial Investment Plan (2015-2017).
  - Energy Commission will submit a proposed 2<sup>nd</sup> Investment Plan to CPUC in May, 2014.



## For More Information:

- **EPIC Website** (workshops; funding opportunities; join mail list):  
**<http://www.energy.ca.gov/research/epic>**